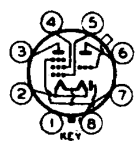
1D8-GT

1D8-GT ★

DIODE-TRIODE-POWER AMPLIFIER PENTODE

Filament	Coated	
Voltage	1.4	d-c volts
Current	0.1	amp.
Maximum Overall Length		3-5/16"
Maximum Seated Height		2-3/4" ←
Maximum Diameter		1-5/16"
Bulb		T-9
Cap		Skirted Miniature-Style C
Base		Intermediate Shell Octal 8-Pin

Pin 1-No Connection
Pin 2-Filament +
Pin 3-Pentode Plate
Pin 4-Pentode Screen
Pin 5-Pentode Grid



Pin 6-Triode Plate
Pin 7-Filament -
Pin 8-Diode Plate
Cap -Triode Grid

Mounting Position: Any

BOTTOM VIEW (G-8AJ)

TRIODE UNIT ←

Plate Voltage			110 max.	volts

Typical Operation and Characteristics - Class A_1 Amplifier:

Plate Voltage	45	67.5	90	volts
Grid Voltage	0	0	0	volts
Amplification Factor	25	25	25	
Plate Resistance	77000	55500	43500	approx. ohms
Transconductance	325	450	575	μmhos
Plate Current	0.3	0.6	1.1	ma.

PENTODE UNIT ←

Plate Voltage	110 max.	volts
Screen Voltage	110 max.	volts
Total Zero-Sig. Cathode Current	6 max.	ma.

Typical Operation and Characteristics - Class A_1 Amplifier:

Plate Voltage	45	62.5	67.5	90	volts
Screen Voltage	45	62.5	67.5	90	volts
Grid Voltage	-4.5	-5	-6	-9	volts
Peak A-F Grid Volt.	4.5	5	6	9	volts
Plate Current	1.6	3.8	3.8	5	ma.
Screen Current	0.3	0.8	0.8	1.0	ma.
Plate Resistance	0.3	0.2	0.2	0.2	approx. megohm
Transconductance	650	875	875	925	μmhos
Load Resistance	20000	16000	16000	12000	ohms
Total Harmonic Dist.	10	10	10	10	%
Power Output	35	90	100	200	mw.

DIODE UNIT

The diode is located at the negative end of the filament, and is independent of the triode unit and of the pentode unit except for the common filament.

← Indicates a change.

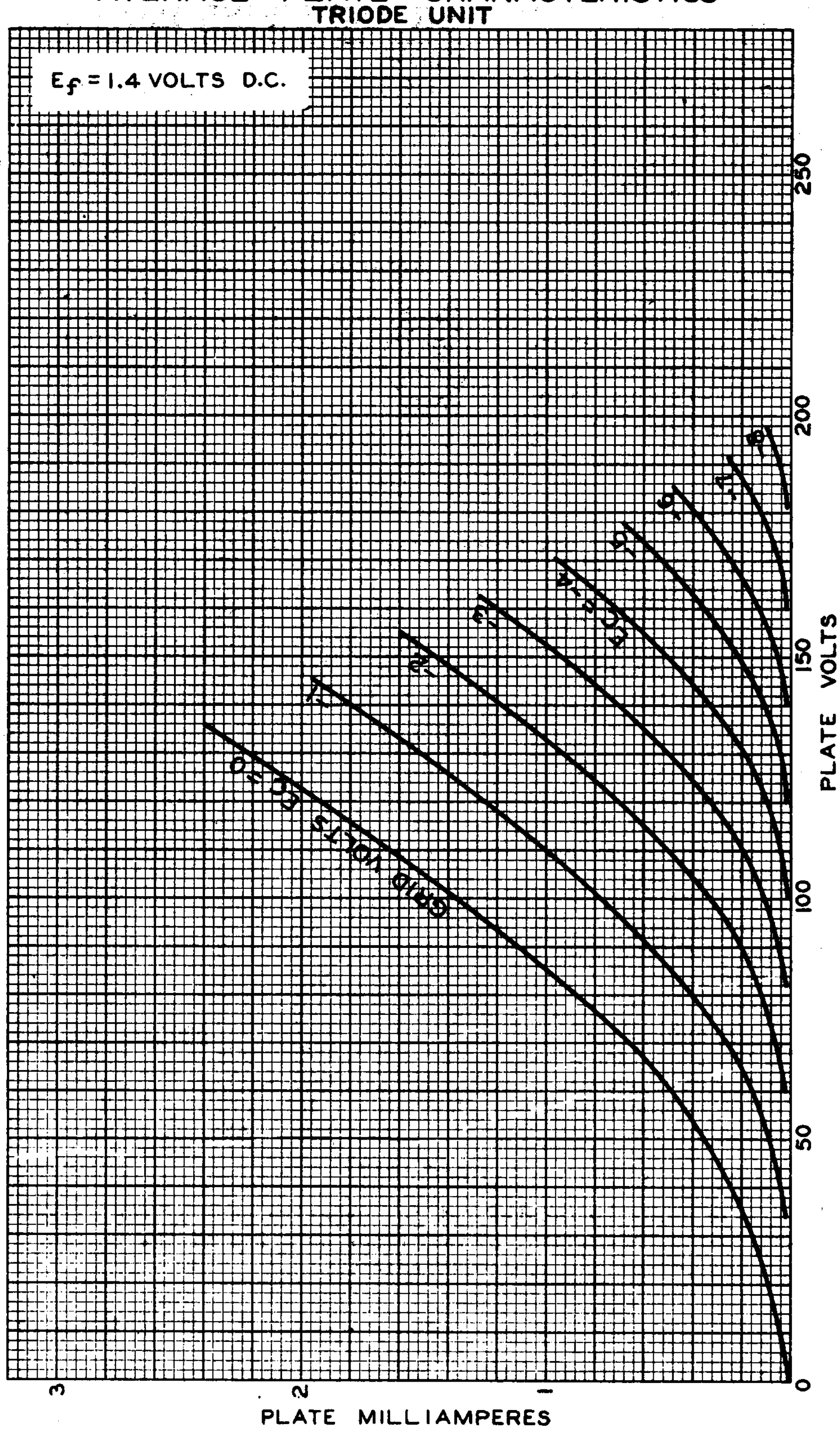
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1D8-GT

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AVERAGE PLATE CHARACTERISTICS

TRIODE UNIT



JUNE 9, 1939

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92C-6058